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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/633,182	08/01/2003	Satoshi Hata	035576/267853	4912
826 75	590 05/10/2006		EXAMINER	
ALSTON & BIRD LLP BANK OF AMERICA PLAZA 101 SOUTH TRYON STREET, SUITE 4000			HUSBAND, SARAH E	
			ART UNIT	PAPER NUMBER
	CHARLOTTE, NC 28280-4000		1746	
			DATE MAILED: 05/10/2006	

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)				
	10/633,182	HATA, SATOSHI				
Office Action Summary	Examiner	Art Unit				
	Sarah E. Husband	1746				
The MAILING DATE of this communication app Period for Reply	pears on the cover sheet with the c	correspondence address				
A SHORTENED STATUTORY PERIOD FOR REPL' WHICHEVER IS LONGER, FROM THE MAILING DA - Extensions of time may be available under the provisions of 37 CFR 1.1: after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period vortice. - Failure to reply within the set or extended period for reply will, by statute Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICATION 36(a). In no event, however, may a reply be tir will apply and will expire SIX (6) MONTHS from , cause the application to become ABANDONE	N. nely filed the mailing date of this communication. ED (35 U.S.C. § 133).				
Status						
1)⊠ Responsive to communication(s) filed on 01 A	ugust 2003.					
• • • • • • • • • • • • • • • • • • • •	action is non-final.					
3) Since this application is in condition for alloward closed in accordance with the practice under E	•					
Disposition of Claims						
4) Claim(s) 1-7 is/are pending in the application.						
	4a) Of the above claim(s) is/are withdrawn from consideration.					
5) Claim(s) is/are allowed.						
6)⊠ Claim(s) <u>1-7</u> is/are rejected.						
7) Claim(s) is/are objected to.						
8) Claim(s) are subject to restriction and/o	r election requirement.					
Application Papers						
9)☐ The specification is objected to by the Examine	г г.					
10)⊠ The drawing(s) filed on <u>01 August 2003</u> is/are:	a)⊠ accepted or b)☐ objected	to by the Examiner.				
Applicant may not request that any objection to the	drawing(s) be held in abeyance. Se	e 37 CFR 1.85(a).				
Replacement drawing sheet(s) including the correct	, , , , , , , , , , , , , , , , , , , ,	•				
11)☐ The oath or declaration is objected to by the Ex	caminer. Note the attached Office	e Action or form PTO-152.				
Priority under 35 U.S.C. § 119						
12)⊠ Acknowledgment is made of a claim for foreign a)⊠ All b)□ Some * c)□ None of:	priority under 35 U.S.C. § 119(a)-(d) or (f).				
1. Certified copies of the priority document	1.⊠ Certified copies of the priority documents have been received.					
2. Certified copies of the priority document	2. Certified copies of the priority documents have been received in Application No					
3. Copies of the certified copies of the prior	rity documents have been receive	ed in this National Stage				
application from the International Bureau	u (PCT Rule 17.2(a)).					
* See the attached detailed Office action for a list	of the certified copies not receive	ed.				
Attachment(s)						
1) X Notice of References Cited (PTO-892)	4) 🔲 Interview Summary	(PTO-413)				
2) 🔲 Notice of Draftsperson's Patent Drawing Review (PTO-948)	Paper No(s)/Mail D	ate				
3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date	5) Notice of Informal F 6) Other:	Patent Application (PTO-152)				

DETAILED ACTION

Information Disclosure Statement

The information disclosure statement filed November 25, 2005 fails to comply with 37 CFR 1.98(a)(2), which requires a legible copy of each cited foreign patent document; each non-patent literature publication or that portion which caused it to be listed; and all other information or that portion which caused it to be listed. It has been placed in the application file, but the information referred to therein has not been considered. A copy of the European Search Report was not filed with the information disclosure statement.

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

Claims 1-3 and 5 are rejected under 35 U.S.C. 103(a) as being unpatentable over Tazaki (US Patent No. 6,502,403) in view of Hibara (JP 60-69214).

Tazaki discloses a turbine having a casing, duct, rotating and stator blades, pressure gage, valves and a control unit, (Fig. 1, and 5-7; col. 5, ll. 1-20; col. 8-10; see entire document as well), which are common in the art. Tazaki does not specifically disclose a means for removing extraneous matter on the blade surfaces. Hibara discloses nozzles for removing scale (extraneous matter) on turbine blades

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pressurized water (see Fig. 1-3, abstract). In particular, Figure 3 discloses a nozzle arrangement for cleaning the entire blade surface. At the time of the invention, it would have been obvious to one of ordinary skill in the art to modify Tazaki with Hibara for the benefit of preventing adhesion of scale.

Claims 4, 6 and 7 are rejected under 35 U.S.C. 103(a) as being unpatentable over Tazaki and Hibara as applied to claims 1-3 and 5 above, and further in view of Rice (US Patent No. 4,384,452).

Tazaki and Hibara disclose the turbine blade cleaner shown above in the 103(a) rejection. They do not specifically disclose surface reforming. Rice discloses coating the blade, which is a type of surface deforming described by Applicant (col. 9, ll. 35-55; see entire document as well). At the time of the invention, it would have been obvious to one of ordinary skill in the art to modify Tazaki and Hibara with Rice for the benefit of having to do less repairs on the equipment.

Conclusion

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. The prior art not referred to are Beck (US Patent No. 5,944,483), Doi (US 5480283), Butler (US 6394108), Bartos (US 4059123), and Grossmann (US 6180170), who disclose turbine cleaning and/or coating.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Sarah E. Husband whose telephone number is (571) 272-8387. The examiner can normally be reached on M-F 8-5.

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Michael E. Barr can be reached on (571) 272-1414. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

SEH

MICHAEL BARR SUPERVISORY PATENT EXAMINER